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**(54) POWER SUPPLY
DEVICE AND
POWER SUPPLY
SYSTEM USING THE
POWER SUPPLY
DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a power supply device capable of preventing the generation of useless power consumption and a power supply system using the power supply device.

SOLUTION: The power supply system is provided with plural power supply devices 10, 20, 30 each of which includes a power

supply part P (P1, P2, P3)
 for outputting a power
 supply current connection
 terminals T1, T2 connected
 to a power supply cable C1
 for supplying the power
 supply current from the
 power supply part P and a
 power supply control means
 S for comparing the voltage
 value detected through the
 terminals T1, T2 with a
 reference voltage value set
 up more than the output
 voltage value of the power
 supply part P and
 controlling the power
 supply part P so as to turn
 off the output of the power
 supply current when the
 detected voltage is higher
 than the reference voltage
 value and turn on the output
 of the power supply current
 when the detected voltage is
 lower than the reference
 voltage value based on the
 compared result and these
 power supply devices 10,
 20, 30 are mutually
 connected through the
 power supply cables C1.

